

In the Claims:

Claim 1, amend to read as follows:

1. (Twice Amended) A microchannel Cross load array, comprising:
a cathode,
an array of sample wells,
an array of waste wells, said sample wells comprising twice the number of
waste wells,
an anode, and
an array of functionally identical channels, each channel having an injection
point connected directly to only one well of said array of sample wells, connected
directly to only one well of said array of waste wells, connected directly to said cathode
and connected directly to said anode.

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